



Deepwater Horizon Incident, Gulf of Mexico

Region 6 REOC Update

Subject: Region 6 Update # 9
Deepwater Horizon Incident, Gulf of Mexico

Date: May 6, 2010

To: Incident Command

Thru: Planning Section

From: Situation Unit

Reporting Period: May 5, 2010 1300 – May 6, 2010 1300

1. Background

Site Name:	Deepwater Horizon Incident	FPN#:	N10036
Mobilization Date:	4/27/2010	Start Date:	4/28/2010

2. Current Situation

- One EPA Representative is at Incident Command (Houma) and another EPA Representative is at Area Command (Robert), both are directly interfacing with Unified Command.

2.1 (USCG) Incident Command Post (Houma, LA)

- EPA Representative requested samples of the dispersant being used (Corexit 9527 and 9500) and is awaiting a response.
- EPA Representative continued to provide documentation to the REOC.
- EPA Representative discussed E&P Waste with BP. Waste Disposal Plan currently in draft form.
- EPA Representative coordinated with BP on sampling plans and potential transitions.
- EPA Representative coordinated offshore air samples with BP - BP Contractor will pull Summa and Tedlar bags. EPA will analyze tedlar bags with TAGA - Summa grabs will go to BP Contractor procured lab.
- EPA Representative obtained dispersant report.

2.2 (USCG) Area Command Post (Robert, LA)

- Presented proposed subsea dispersant monitoring plan to RRT signatory agencies for concurrence. Any future subsea dispersant application will be contingent upon approval of this plan by those agencies and BP.

2.3 Air Monitoring/Sampling

- Air monitoring and sampling ongoing in Venice operations area (VOCs and Particulates):
 - Venice, LA - 29.25274 N, 89.35750 W - V02 - located at USCG (ongoing monitoring);
 - Boothville, LA - 29.31449 N, 89.38433 W - V03 - located at Welding Supply Co. (ongoing monitoring);
 - Fort Jackson, LA – 29.35699 N, 89.45487 W – V05 (Activated at approx. 0805; ongoing monitoring).
- Air monitoring and sampling ongoing in Chalmette operations area (VOCs and Particulates):
 - Chalmette, LA – 29.94562, -89.9721 – C01 - located at Fire Station number 3, near corner of Jackson Street and Judge Perez;
 - Poydras, LA – 29.86609, -89.89108 – C02 - located at Fire Station number 8;
 - Hopedale, LA – 29.82209, -89.60862 – C03 - located at the Emergency Operations Center.
- Each air monitoring location has 4 pieces of air equipment:
 - DataRAM - monitoring particulate matter;
 - AreaRae - monitoring VOCs;
 - PQ200 - samples for PM10 (on 5/6 PQ200 will be replaced with E-BAM air monitors);
 - SUMMA Canisters per location - sample for VOCs.
- All air monitoring/sampling stations are monitored throughout the day (24 hours) for immediate reporting of any elevated VOC or particulate levels. The maximum reading is reported to the OSC at Area Command Post in Venice and Chalmette.
- Real-time air monitoring data from midnight to midnight each day is reviewed for field QA and uploaded into SCRIBE by 1200 each day and available to EPA Headquarters.
- Fifteen SUMMA canisters (for VOC) were collected during this operational period. Samples will be shipped before noon today. Six PM2.5 (for particulate) samples were prepared for shipment. To ensure proper temperature the filter samples will held on ice and shipped Wednesday. Fifteen SUMMA and 6 filter samples will be shipped Wednesday.
- Chalmette operations now have additional equipment available to conduct Benzene monitoring if the VOC levels exceed the 10 PPM action level.
- On 5/5 in Venice operations, equipment problems prevented data logging from DataRams only at stations V02 and V05. Equipment issues are resolved and particulate monitoring data from all three stations are being logged.
- Venice and Chalmette operations reported that air monitoring data did not exceed action levels for VOCs or particulates (PM10). Particulate air monitoring at C02 and C01 incomplete due to equipment issues.
- **EPA summary of air monitoring/sampling activities:**

Air Monitoring & Samples	DataRAM (PM10)	AreaRae	SUMMA Canisters	PM2.5	TOTALS FOR 5/5
Venice	3 locs/24-hr	3 locs/24-hr	9	3	12
Chalmette	3 locs/24-hr	3 locs/24-hr	6	3	9
TOTAL TO DATE	6 locs/24-hr	6 locs/24-hr	82	30	

*QAQC samples not included in sample count

2.4 Water/Sediment Sampling

- EPA continues to conduct water and sediment sampling at locations provided by EPA Headquarters and selected through National Coastline Condition Assessment (NCCA) program. The NCCA sample locations are sampled every four years by state agencies with U.S. Coastlines. Sample parameters and locations were also selected in coordination with the EPA Region 6 Water Quality Division.
- Representatives from the Water Division and the REOC Environmental Units from R6 and R4 conduct a conference call three times a week with the HQ EOC to discuss the coordination and consistency of water and sediment sampling across the Deepwater Horizon Incident Response.
- Chalmette water operation team deployed to Lake Pontchartrain and reported no oiled wildlife, no oil observed or odors detected. The team was unable to recover sediment samples due to rip-rap rock covering the bottom. Weather is favorable for water/sediment sampling operations for today 5/5.
- Two Venice water operation teams were deployed to sample newly added water and sediment sampling locations along the southern Louisiana coastline west of Venice.
- Analytical data for water and sediment samples collected on 5/5 in the Venice area reflect conditions before impact from crude oil, however a few results exceed site-specific screening levels for metals.
- **EPA summary of water/sediment activities:**

Water/Sediment Samples	Water	Sediment	TOTALS FOR 5/5
Venice	4	4	12
Chalmette	1	0	6
TOTAL TO DATE	28	21	

*QAQC samples not included in sample count

2.5 TAGA

- TAGA 1553 continues to perform mobile monitoring for (BTEX) in Southeastern LA – Slidell to Venice. No BTEX observed above low ppbv levels during any monitoring events - the concentrations observed were associated with vehicular traffic or isolated sources.
- TAGA 1554 performs mobile monitoring for (BTEX) in Southern LA and MS - Gasque, AL, around Mobile Bay to Dauphin Island - Continued west on RT 90 from Grand Bay to Long Beach, MS. No BTEX observed above low ppbv levels during any monitoring events - the concentrations observed were associated with vehicular traffic or isolated sources.
- TAGA 1553 continues to perform mobile monitoring for (BTEX) in Southeastern LA and TAGA 1554 performs mobile monitoring for (BTEX) in Southern LA, MS, and AL.

2.6 ASPECT

- ASPECT plane is continuing to conduct over flights at the direction of Incident Command based on current conditions provided by field teams and BP operations. Specifically, over flights will occur during dispersant applications and in-situ burns.

- Recommended priority today (5/6) will include air monitoring of any oil burns and additional data (IR/Spectral/photo) collection in the dispersant area.
- ASPECT observations in transit to the burn area:
 - Line of oil near the Chandeleur Islands, more north than yesterday 29.9621N, 88.8513W (approximately 2 miles west of the northern islands);
 - Large mass of oil at 29.9097N, 88.8513W (approximately 2 miles west of the central Chandeleur Islands-near Shoalwater Bay, just north of the Breton National Wildlife Refuge).
- At 1150 on 5/6, ASPECT reported that they were successful in collecting data over the fire and smoke plume. Chemical results are all non detect.

2.7 Water Quality Protection Division Update

- The Region 6 Water Quality Protection Division provided a situation update including impact analysis, monitoring and assessment, and drinking water (see attached).

2.8 Summary of Air Quality Testing In Residential and Commercial Areas Along the Gulf Coast reported by CTEH (Center for Toxicology and Environmental Health) from 5/5

	# of Measurements	Avg Concentration (ppm)	Maximum Concentration (ppm)
VOCs	370	0.001	0.4
Hydrogen Sulfide	331	0	0
Sulfur Dioxide	141	0	0
Benzene	29	0	0
Total	871		

*Benzene and sulfur dioxide measured with detector tubes

	# of Measurements	Avg Concentration (mg/m3)	Maximum Concentration (mg/m3)
Particulate Matter (PM10)	230	0.037	0.096
Total	68		

*PM10 – is particulate matter less than 10 microns

3. EPA Assets

3.1 Current Assets Deployed

- Activated in Dallas, TX
 - REOC is activated
 - SRICT activated
 - RRT activated

Deployed Personnel

Personnel	Dallas, TX	Venice, LA	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Slidell, LA	TOTALS
EPA								
- OSC	3	1		2		1		7
- RSC	12		1	1				14
- PIO			3					3
- Other	5		2		1	1		9
START	5	16				13		34
ERT Contractor		1						1
TAGA Personnel							5	5
ASPECT Personnel							4	4
Other								
TOTALS	25	18	6	3	1	15	9	77

Deployed Equipment

Equipment	Dallas, TX	Venice, LA	Robert, LA	Houma, LA	New Orleans, LA	Chalmette, LA	Slidell, LA	TOTALS
Mobile Command Post		1						1
ASPECT							1	1
TAGA Bus							2	2
LRV			1			1		2
Gooseneck Trailer		1						1
20 KW Generator		1						1

4. Daily Cost Estimates (as of 5/4)

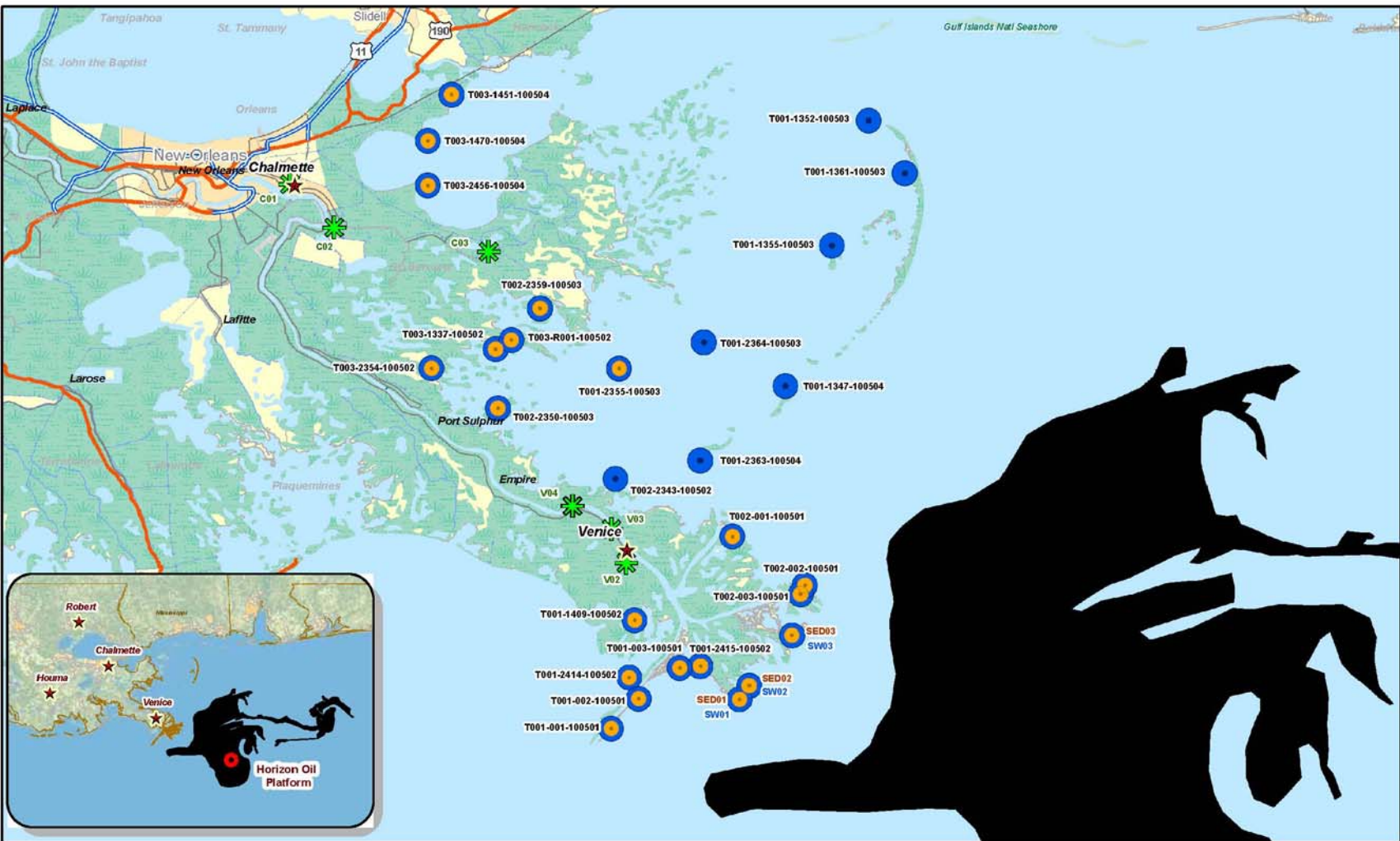
	EPA Personnel Est. Spent	EPA Travel Est. Spent	EPA Contracts Est. Spent	TOTAL Est. Spent	TOTAL Obligations	TOTAL USCG PRFA Ceiling	Balance	Est. Daily Burn Rate
USCG PRFA FPN N10036	\$99,000	\$38,279	\$640,000	\$777,279	\$967,279	\$868,800	\$91,521	\$122,910
TOTAL EPA Funded	\$99,000	\$38,279	\$640,000	\$777,279	\$967,279	\$868,800	\$91,521	\$122,910

Louisiana Total	\$99,000	\$38,279	\$640,000	\$777,279	\$967,279	\$868,800	\$91,521	\$122,910
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Figure 1 – US EPA command post in Venice, LA.

Monitoring/Sampling Locations



<p>Legend</p> <p>Samples</p> <ul style="list-style-type: none"> Air Sediment Surface Water Observed Oiling 5/5/2010 11:47 am 			<div> <p>US EPA REGION 6 START-3 (For Official Use Only)</p> </div> <div> <p>Sampling Locations Map</p> </div> <table border="1"> <tr> <td>Date Created: 5/6/2010</td> <td>DCN: P560</td> <td>SCALE:</td> </tr> </table>	Date Created: 5/6/2010	DCN: P560	SCALE:
Date Created: 5/6/2010	DCN: P560	SCALE:				

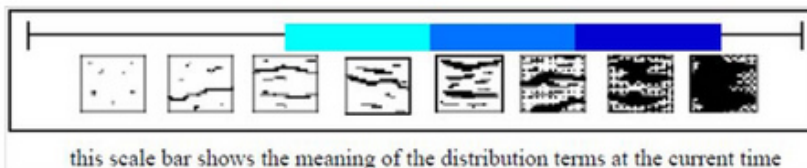
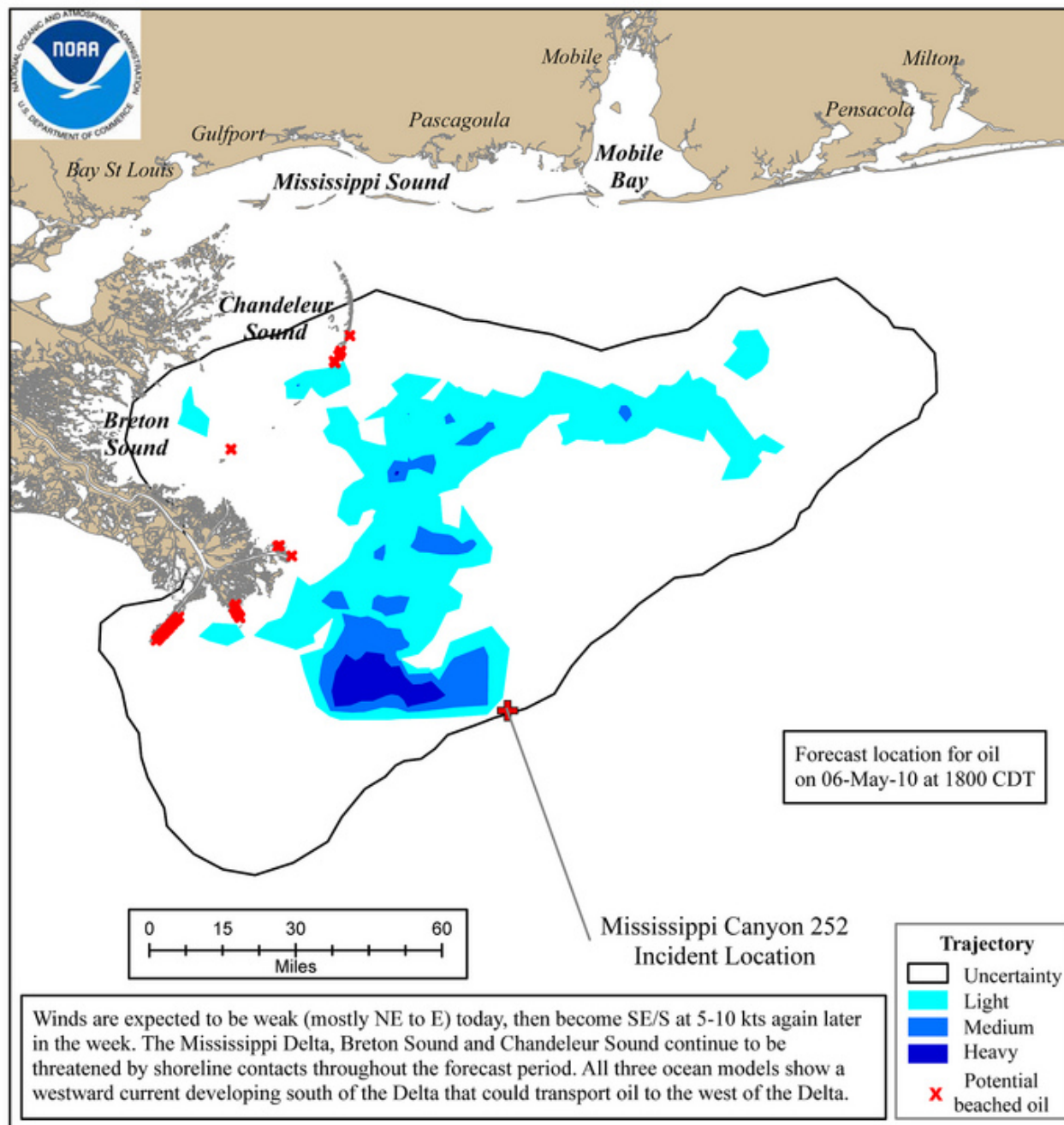
Trajectory Forecast Mississippi Canyon 252

NOAA/NOS/OR&R

Estimate for: 1800 CDT, Thursday, 5/06/10

Date Prepared: 2300 CDT, Monday, 5/03/10

This forecast is based on the NWS spot forecast from Monday, May 3 PM. Currents were obtained from the NOAA Gulf of Mexico model, Texas A&M/TGLO, and NAVO models. The model was initialized from SLAR data obtained during a Transport Canada overflight Monday AM. The leading edge may contain tarballs that are not readily observable from the imagery (hence not included in the model initialization).



Next
Forecast:
May 4th PM